|                |              |             |       |           |           |          |            |                             |          |                 |          | 10/618,544<br>Examiner |               |                |             |           |            |            |          |          |           | YAN ET AL.<br>Art Unit |                 |           |   |          |  |  |
|----------------|--------------|-------------|-------|-----------|-----------|----------|------------|-----------------------------|----------|-----------------|----------|------------------------|---------------|----------------|-------------|-----------|------------|------------|----------|----------|-----------|------------------------|-----------------|-----------|---|----------|--|--|
|                |              |             |       |           |           |          |            |                             |          |                 |          |                        | TAN N TRAN    |                |             |           |            |            |          |          |           |                        | 2826            |           |   |          |  |  |
|                |              |             |       |           |           |          |            |                             |          |                 |          |                        | TOTALIA LUMIA |                |             |           |            |            |          |          |           | 2020                   |                 |           |   |          |  |  |
| <b>√</b>       | √ Rejected   |             |       |           |           | -        | <b>(</b> T | (Through numer<br>Cancelled |          |                 |          | N                      |               |                | Non-Elected |           |            |            | A        |          | Appeal    |                        |                 |           |   |          |  |  |
| =              | =            | Allowed     |       |           |           | +        | Restricted |                             |          |                 |          |                        | ı             | I Interference |             |           |            |            | 0        | Objected |           |                        |                 |           |   |          |  |  |
| Claim          |              |             |       | te        |           |          | Claim      |                             |          |                 | Date     |                        |               |                | CI          |           |            | laim       |          | Date     |           |                        |                 |           |   |          |  |  |
| Final Original | 08/04        | .           |       |           |           |          |            | Final                       | Original |                 |          |                        |               |                |             |           | Final      | Original   |          |          |           |                        |                 |           |   |          |  |  |
| 1 1            | =            |             |       |           |           |          | 1          |                             | 51       |                 |          |                        | #             | #              |             |           |            | 101        |          |          | $\dagger$ | 上                      |                 | 1         |   | 1        |  |  |
| 3 3            | Н            |             | +     | $\vdash$  | -         | +        | -          |                             | 52<br>53 |                 | ╁        | -                      | +             | ╁              | ++          | -         | -          | 102        | -        | -        | +         | +-                     |                 | +         | + | ╣        |  |  |
| 4 4            | Ц            |             | 丰     |           |           |          |            |                             | 54       |                 |          |                        |               | $\perp$        |             |           |            | 104        |          |          |           |                        |                 |           |   | 1        |  |  |
| 5 5<br>6 6     | Н            | ++          | +     | Н         |           | - -      | -          |                             | 55<br>56 | -               | -        | $\vdash$               | -             | ╀              | ++          | -         | <u> </u>   | 105<br>106 | $\vdash$ | +        | +         | +                      | $\vdash$        | $\dashv$  | + | -        |  |  |
| 7 7            |              |             |       |           |           |          | ]          |                             | 57       |                 |          |                        | İ             | $\perp$        |             |           |            | 107        |          |          | 士         |                        |                 |           | 土 | _        |  |  |
| 9 9            | Н            | -           | +     | $\sqcup$  | _         | -        | -          |                             | 58<br>59 | $\vdash$        | -        | 4                      | ļ             | $\downarrow$   | ++          | _         | <u> </u>   | 108<br>109 | _        | -        | +-        | ┼                      | $\sqcup$        |           | - | 4        |  |  |
| 9 9            | Н            | +           | +     |           |           | $\dashv$ | -          |                             | 60       |                 | +        |                        | +             | ╁╴             | +           | -         | $\vdash$   | 110        | $\vdash$ | +        | +         | +                      | $\vdash$        | $\dashv$  | + | ┨        |  |  |
| [] 11          | П            |             | ┰     |           |           |          |            |                             | 61       |                 |          |                        | I             |                |             |           |            | 111        |          |          | 丄         |                        |                 |           |   | ]        |  |  |
| 12 12<br>13 13 | Н            | ++          | -     | +         |           | - -      | -          |                             | 62<br>63 |                 |          |                        | -             | +              |             | -         | <u> </u>   | 112<br>113 | $\vdash$ |          | +         | +                      | $\vdash$        | 4         |   | -        |  |  |
| 14 14          | Н            | ++          | +     | +         |           | +        | 1          |                             | 64       |                 |          |                        | $^{+}$        | +              | ++          | -         | $\vdash$   | 114        |          | +        | +         | +                      | H               | $\dashv$  | + | ┨        |  |  |
| 15 15 =        | ╗            |             |       |           |           |          |            |                             | 65       |                 |          |                        |               |                |             |           |            | 115        |          |          |           |                        |                 | 耳         | 丁 | 1        |  |  |
| 16             | _            | $\dashv$    | +     | Н         |           | _        | -          |                             | 66<br>67 |                 | -        | 4                      | +             | +              | +           | -         | <u> </u> - | 116<br>117 |          | $\dashv$ | +         | $\vdash$               | $\square$       | $\dashv$  | + | 4        |  |  |
| 18             | +            | ++          | +     | +         |           |          | -          |                             | 68       | $\vdash$        | +        | $\vdash$               | +             | +              | +           | -         | $\vdash$   | 118        | Н        | +        | +         | ╁                      | Н               | $\dashv$  | + | ┥        |  |  |
| 19             |              |             |       |           |           |          | ]          |                             | 69       |                 |          |                        |               |                |             |           |            | 119        |          |          |           |                        |                 |           | 工 | <b>1</b> |  |  |
| 20             | 4            | +           | ┿     | Н         |           |          | -          |                             | 70<br>71 | -               | +-       | -                      | +             | +              | ++          | -         | <u> </u>   | 120<br>121 |          | +        | +         | +                      | Н               | $\dashv$  | + | 4        |  |  |
| 16 22 =        | =            | $\dashv$    | +     | ╁╌┤       |           |          | -          |                             | 72       | $\vdash$        | +        |                        | +             | ╁              | ++          | -         | -          | 122        | -        | +        | +-        | ╁╴                     |                 | -+        | + | ┨        |  |  |
| [7 23 =        | Ξ            |             |       |           |           | 1        | ]          |                             | 73       |                 |          |                        |               |                |             |           |            | 123        |          |          |           |                        |                 |           | 丰 | ]        |  |  |
| 24<br>25       | 4            | ++          | -     | +         |           |          | -          |                             | 74<br>75 | $\vdash \vdash$ | -        | _                      | +             | +              | +           | -         | -          | 124<br>125 | -        |          | +-        | ╀                      |                 | $\dashv$  | + | 4        |  |  |
| 26             | +            | ++          | +     | $\vdash$  |           | +        | -          |                             | 76       |                 | +        | $\vdash$               | +             | $\dagger$      | +           | $\dashv$  | -          | 126        |          | +        | +         | 十                      | Н               | $\dashv$  | + | ┨        |  |  |
| 27             |              |             |       |           |           |          |            |                             | 77       |                 |          |                        |               | Ţ              |             |           |            | 127        |          |          |           |                        |                 |           | 丰 | ]        |  |  |
| 28             | +            | ++          | +     | $\vdash$  | _         |          | -          |                             | 78<br>79 | $\vdash$        | -        |                        | $\perp$       | +              | ++          |           | <u> </u>   | 128<br>129 | _        | -        | _         | -                      | $\sqcup$        | 4         |   | 4        |  |  |
| 30             | ┪            |             | +     | $\vdash$  |           |          | -          |                             | 80       | $\vdash$        | +        | $\dashv$               | +             | +              | ++          | $\dashv$  |            | 130        | ⊢        | +        | ╁         | +                      | $\vdash$        | $\dashv$  |   | ┪        |  |  |
| 31             | $\downarrow$ |             |       | $\square$ |           |          | ]          |                             | 81       |                 |          |                        | Į             | Ţ              | $\Box$      |           |            | 131        |          |          |           |                        |                 | $\exists$ |   | ]        |  |  |
| 32             | $\dashv$     | ++          | +     | +         | $\dashv$  | -        | -          |                             | 82<br>83 | $\vdash$        | +        | $\vdash\vdash$         | +             | +              | ++          | -         | <u> </u>   | 132<br>133 | $\vdash$ | 1        | +-        | -                      |                 | $\dashv$  | + | 4        |  |  |
| 34             | +            | ++          | +     |           | $\dashv$  |          | 1          |                             | 84       | ++              | +        | +                      | +             | +              | ++          | $\dashv$  | -          | 134        | $\vdash$ | +        | +         | +                      | $\vdash$        | +         | + | 1        |  |  |
| 35             | 1            |             |       |           | $\exists$ |          | ]          |                             | 85       |                 |          |                        |               | 1              | $\Box$      |           |            | 135        |          |          | 丰         |                        |                 |           | 丰 | 1        |  |  |
| 36             | 4            | $\dashv$    | +     | +         | -         | - -      | -          |                             | 86<br>87 | $\vdash$        | $\vdash$ | $\vdash$               | +             | +-             | ++          | $\dashv$  | <u> </u>   | 136<br>137 | _        | +        | _         | +                      | $\vdash \mid$   | $\dashv$  | + | -        |  |  |
| 38             | +            | ++          | +     |           | $\dashv$  |          | 1          |                             | 88       | $\vdash \vdash$ |          | +                      | +             | +              | ++          | $\dashv$  | -          | 137        | Н        | +        | +         | $\vdash$               | $\vdash$        | +         | + | ┨        |  |  |
| 39             | $\downarrow$ |             |       |           |           |          | ]          |                             | 89       |                 |          |                        |               | Ţ              | $\Box$      | $\exists$ |            | 139        |          | $\Box$   |           |                        |                 | $\Box$    | 丰 | ]        |  |  |
| 40             | +            | +           | +     | +         | $\dashv$  | -        | -          | <u> </u>                    | 90       | $\vdash$        | +-       | $\vdash$               | +             | +              | +           | -         |            | 140<br>141 | $\vdash$ |          | +         | +                      | $\vdash \mid$   | +         | + | -        |  |  |
| 42             | 1            |             | $\pm$ | $\Box$    | _         | +        | 1          |                             | 92       | $\vdash$        | +-       | +                      | +             | +              | ++          | -         |            | 141        | Н        | +        | +         | +                      | H               | +         | + | 1        |  |  |
| 43             | 1            |             |       |           | $\Box$    |          | ]          |                             | 93       |                 |          |                        | I             | I              | $\Box$      |           |            | 143        |          |          |           |                        |                 | $\Box$    |   |          |  |  |
| 44 45          | +            | +           | +     | ╂╌┤       | $\dashv$  | +        | -          |                             | 94<br>95 |                 | +        | $\vdash$               | +             | +              | ++          | -         |            | 144<br>145 | Н        | $\vdash$ | +         | $\vdash$               | $\vdash \vdash$ | +         | + | -        |  |  |
| 46             | +            | ++          | +     | ╁         | $\dashv$  | +        | 1          | <u> </u>                    | 96       |                 | +        | $\vdash +$             | +             | +              | ++          | -         | -          | 146        | H        | $\vdash$ | +         | +                      | H               | +         | + | 1        |  |  |
| 47             | 1            |             |       | П         |           |          | ]          |                             | 97       |                 |          |                        |               | I              |             |           |            | 147        |          |          | $\top$    |                        |                 | $\Box$    | I | 1        |  |  |
| 48             | +            | ++          | -     |           | $\dashv$  | - -      | -          |                             | 98<br>99 | $\vdash\vdash$  | +        | -                      | +-            | +              | +           | - :::     | -          | 148<br>149 | $\vdash$ | +        | ╀         | -                      | $\vdash \vdash$ | +         | + | -        |  |  |
| 50             | 1            | $\top \top$ |       | 団         | ╛         | $\perp$  |            |                             | 100      |                 | $\pm 1$  |                        | $\pm$         | +              |             |           | -          | 150        |          | $\top$   | +-        | $\vdash$               | H               | $\dashv$  | + | 1        |  |  |

Application No.

Index of Claims

Applicant(s)